PORT • A • COOL

JETSTREAM™ 1600

Owners Manual

For Model PACJS1600

READ AND SAVE THESE INSTRUCTIONS

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INTRODUCTION

Evaporative cooling works on the principle of heat absorption by moisture evaporation. Simply put, heat is removed from the air as water evaporates. You feel this principle in action when you step out of a swimming pool or shower and feel immediately cooler as water evaporates from the surface of your skin.
Your evaporative cooler works on the same principle. Hot outside air is pulled through water-saturated pads, where the air is cooled by evaporation and then discharged from the cooler.

SAFE OPERATION

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, fire or injury:

- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area where it will not be tripped over.
- Read instructions and labels carefully.
- Always unplug the electric cord to your cooler before you work on the cooler.
- Plug into three-prong grounded GFCI protected electrical receptacle only.
- Do not operate if there is any damage to the plug or cord.
- Do not step on or roll over power cord with heavy or sharp objects.
- Do not operate unit unless all panels are securely in place.
- Remove the plug from the electrical receptacle by pulling on the plug and not the cord.
- Test the GFCI receptacle or breaker monthly to ensure it is functioning properly.
- Do not operate near open containers of flammable liquids or gases.
- Never wash your cooler cabinet with a garden hose; water may harm the motor and electrical system.
- If the unit is damaged or it malfunctions, do not continue to operate it. Refer to the warranty, troubleshooting or FAQ section, call Port-A-Cool, LLC, Technical Support at (888) COOL-AIR (1-888-266-5243), or email support@port-a-cool.com.

SETUP INSTRUCTIONS

The Port-A-Cool Jetstream™ 1600 model is pre-assembled and ready to operate. Simply remove the packaging and then carefully roll the unit from the box.

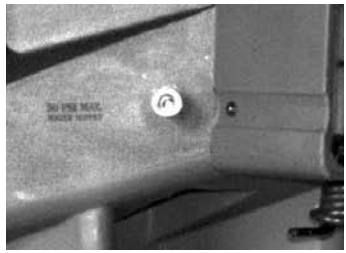


Figure 1

Connecting to water. Move the cooler to an area where it can be filled with water and drained. The cooler should be located on level ground. Connect to a water supply using a commercial grade garden hose (supplied by customer). Simply attach the hose to the adapter located on the left side of the unit (see figure 1). Verify water tight connections by visually examining the hose connection and the drain plug.

The Port-A-Cool Jetstrream™ 1600 also features the filler cap option (see Figure 1 above) that holds 40 gallons of water for increased portability.

CAUTION: Water inlet pressure should be limited to a maximum 50 PSI.

Connecting to a power supply. When making electrical connections insure that local and national codes are adhered to. Use only with GFCI Protected Receptacles. Please refer to the Barcode Product Label on the side of the unit for specific electrical requirements.

LOCATION OF COOLER

Always make sure the unit is operated on a level surface. When using the cooler indoors, the best location is near a partially opened window or door where hot outdoor air can be drawn into the unit. The Port-A-Cool Jetstream™ 1600 is portable, but use caution when rolling the unit to avoid splashing and spilling of water. Cool air can best be directed through the space by using a partly opened window or door, ideally one that is situated on the opposite side of the space from the cooler. This allows the cooled air to be moved through the space and exhausted back outdoors which is critical to proper operation of the cooler.

OPERATING INSTRUCTIONS

Make sure the two locking casters have been locked to prevent the cooler from moving before turning on the fan. Turn on the water supply to the cooler. The hose connection to the float valve provides an automatic method of refilling the water supply as water is evaporated. For best results, turn the pump on a few minutes before turning on the blower fan. This allows the cooling pads to pre-wet for best efficiency. Whenever possible operate the blower fan at low speed for maximum cooling. When cooling is not required you can operate the unit as a fan only by turning on the blower fan and leaving the pump turned off.

WARNING: To Reduce The Risk Of Fire Or Electric Shock, Do Not Use This Fan With Any Solid-State Speed Control Device.

Jetstream UNIT MAINTENANCE & STORAGE

At the end of the week or at a scheduled time, the unit should be shut down and the sump tank should be drained. To drain, remove small drain plug in the rear of the unit. Replace securely when finished.

Once the sump is drained and the power disconnected, the pads may be removed to allow inspection of the sump tank. Assuming that the Port-A-Cool Jetstream™ 1600 unit is in a dusty environment, dust will collect in the sump tank over time. This debris and any remaining water may be vacuumed out using a wet/dry shop vacuum and wiped clean with a cloth. Also, inspect and clean the Inlet Strainer located on the pump. Replace pads in correct airflow direction, referring to label on the pads.

Storage. Storage of the Port-A-Cool Jetstream™ 1600 unit is very simple.

1) Drain all water from the sump tank and clean as above, ensuring that the pads and sump are completely dry.

CAUTION: DISCONNECT POWER BEFORE REMOVING COOLING PADS FROM THE PORT-A-COOL® unit!!

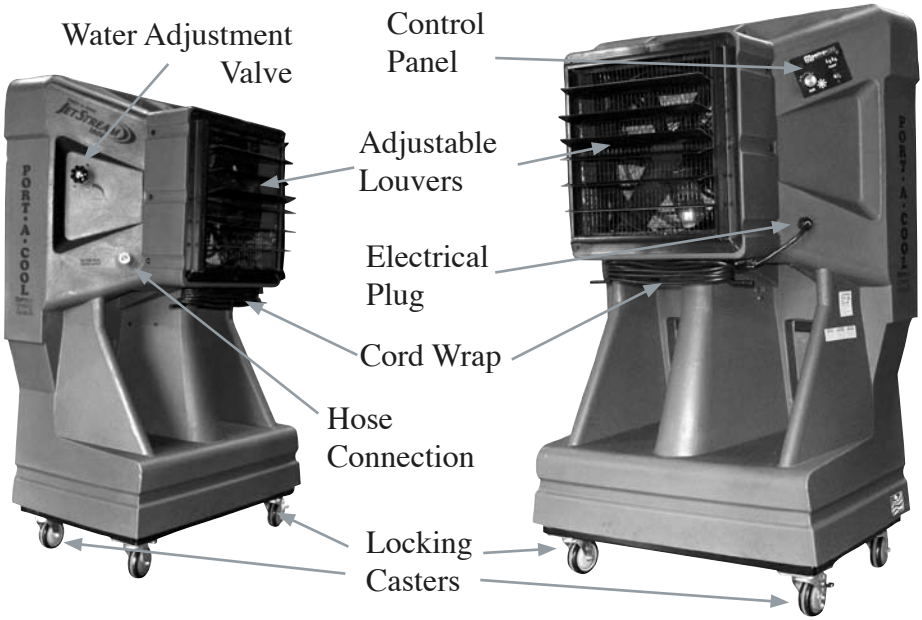
2) Roll up the electrical power cord and secure it to ensure that it will not be rolled over, tripped over or caught in equipment.

NOTICE: POWER CORD MAY BE REPLACED ONLY BY THE MANUFACTURER OR QUALIFIED AGENT!!

3) Cover the Port-A-Cool Jetstream™ 1600 unit completely to prevent dust build-up and store in a dry area. This also helps prevent damage to the pads. Optional dust covers are available from your distributor.

JETSTREAM UNIT OPERATION WARNING

1) not intended for use by children
2) not intended for use by persons with reduced physical, sensory or mental capabilities
3) not intended for use by persons with lack of experience and knowledge, unless they have been given instruction and are supervised during operation
4) children should be supervised to ensure that they do not play with the appliance



KÜÜL® PAD MAINTENANCE

Periodic draining of the pump will help reduce the build-up of calcium deposits on the pad and pad frame. Periodic cleaning of the pads will also help increase the life of the pads and the cooling performance of the cooler. Do not attempt to clean the pads while they are installed in the pad frames or in the cooler. They must be completely removed from the cooler (see Küül® Pad Replacement on this page) and then can be hosed off and lightly brushed to remove or reduce the calcium build-up. Pads must be replaced, though, if the calcium build-up starts to completely block air passages through the pad.

KÜÜL® PAD REPLACEMENT

The cooling pads should be changed at least every two years. Check and clean them at the beginning of the season. The pads may need to be replaced more frequently depending on local conditions and the maintenance schedule followed.

Replace cooling pads as follows:

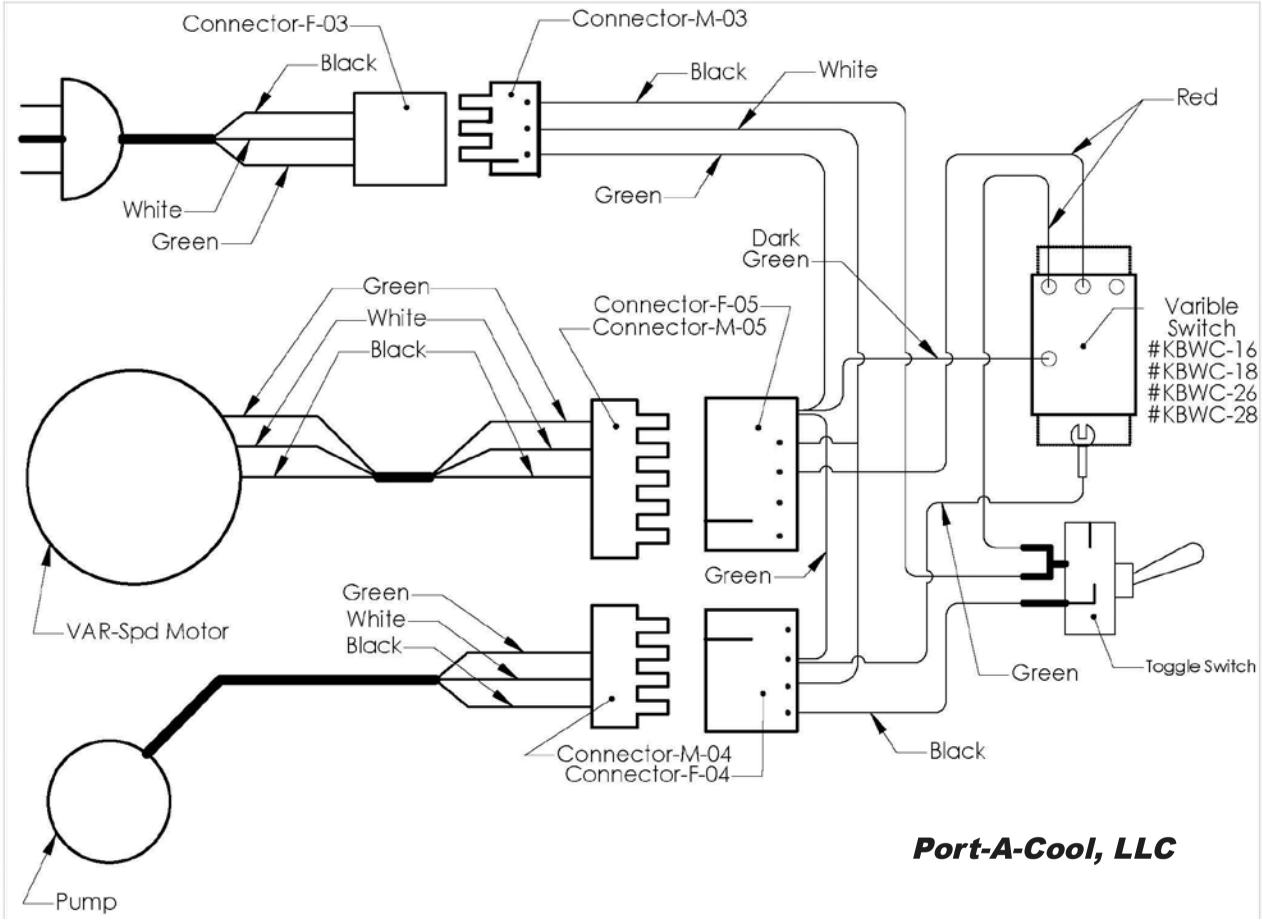
CAUTION - DISCONNECT POWER BEFORE PERFORMING THIS OPERATION!!

The flap must be removed to allow access to the cooling pads. Start with the center pad, which should be tilted out from the top and lifted out of the drain trough. The two pads to either side of the center pad may then be removed in the same manner. Should you desire to remove the two outside pads, they must first be pulled sideways toward the center of the Port-A-Cool Jetstream™ 1600 unit until they clear the side retainer. They may then be removed in the same manner as the other pads.

TROUBLESHOOTING

The following troubleshooting guide is intended to address the most common symptoms which may occur. If you are unable to resolve the issue, please call Technical Support. Turn off all power to the cooler before attempting to troubleshoot any of the following symptoms.

SYMPTOM	POSSIBLE CAUSES	REMEDY
Unit fails to start or deliver air	1. No electrical power to unit A. Fuse blown B. Circuit breaker tripped C. GFCI tripped D. Cord(s) unplugged or damaged	1. Check power A. Replace fuse* B. Reset breaker* C. Reset GFCI* D. Plug in cord(s) or replace if damaged * If condition persists, call electrician
	2. Motor overheated and/or frozen	2. Replace motor
Unit starts but air delivery inadequate	1. Insufficient air exhaust 2. Insufficient water – pad not wet A. Cooling pads plugged B. Dry streaks on pads C. Large dry spots on pads D. Pump not working E. Loose water connections	1. Open windows or doors 2. Check water distribution system A. Clean or replace pads B. Check water level C. Make sure cooler is level, clean spray bar D. Clean or replace pump E. Check for leaks and correct
Water draining from cooler	1. Float arm improperly adjusted 2. Seat in float valve leaking 3. Drain bushing/cap not tight	1. Adjust float to proper level 2. Replace float valve 3. Tighten fitting and/or cap
Musty or unpleasant odor	1. Stale or stagnant water in sump 2. Pads mildewed or clogged 3. Pads not completely wet before cooler is turned on	1. Drain, flush and clean sump 2. Replace pads 3. Turn on pump before starting fan
Knocking, shaking or rattling sounds	1. Loose parts 2. Blower wheel loose or rubbing	1. Check and tighten where needed 2. Inspect and adjust, or replace
Water droplets in the discharge air stream	1. Too much water delivered to the cooling pads 2. Outdoor humidity level is too high or it is raining	1. Make sure pads are properly positioned in the pad frames and that the unit is level. 2. Use cooler as a fan only (turn pump off) or discontinue use of cooler until outdoor humidity level drops


Connector-F-03
Black
White
Green
Connector-M-03
Black
White
Green
Red
Dark
Green
Varible
Switch
#KBWC-16
#KBWC-18
#KBWC-26
#KBWC-28
Green
White
Black
Connector-F-05
Connector-M-05
VAR-Spd Motor
Green
Green
White
Black
Toggle Switch
Connector-M-04
Connector-F-04
Black
Pump
Port-A-Cool, LLC

Jetstream LIMITED WARRANTY

1-YEAR LIMITED WARRANTY

Port-A-Cool, LLC, Center, Texas, extends this limited warranty to the original purchaser of a Port-A-Cool Jetstream™ Evaporative Cooler operated under normal conditions within the continental United States.

I. One Year Coverage applies to all components and accessories furnished by Port-A-Cool, LLC. At our option, we will exchange or repair any part which fails due to non-conformance of material or workmanship during the first year from the date of initial purchase.

II. What this warranty does not cover:
a. This warranty does not cover any failure or damage resulting from unauthorized modification or service; or from the use of products or replacement parts other than those from Port-A-Cool, LLC; including, but not limited to, motors and pumps.
b. This warranty does not cover any damage or malfunction unless caused by a non-conformance in material or workmanship. Damage or malfunction which is not covered by this warranty includes, but is not limited to, water damage to the motor, abuse, misuse, alteration, improper installation / maintenance / operation, and transportation damage.
c. Mineral accumulations, dirt, and dust on the pad are not defects and are excluded from this warranty. Refer to the owners manual supplied with your cooler for maintenance instructions to help minimize these conditions.
d. This warranty does not cover the cost of a service call at the site of installation to diagnose cause of trouble, the cost of labor to install the part, or mileage allowance to or from the site. Port-A-Cool, LLC does not pay freight or postage on any exchange.
e. This warranty does not cover evaporative coolers installed and operated outside the continental United States.

III. Do not use cooler cleaners, cooler treatments, or other additives in this evaporative cooler. The use of any of these products will void your warranty and may impair the life of your evaporative cooler.

IV. To obtain service under this warranty, contact the dealer where you purchased your evaporative cooler. As a final step, if you cannot locate your dealer, contact Technical Support, Port-A-Cool, LLC, P.O. Box 2167, Center, Texas 75935. Include your name, address and ZIP code, the model number and serial number of your evaporative cooler, date of installation and a description of your problem, or call 1-888-COOLAID or visit www.port-a-cool.com.

This warranty is the only warranty extended by Port-A-Cool, LLC, to suppliers and/or purchasers of this evaporative cooler.

Port-A-Cool, LLC disclaims all other warranties, express or implied, that arise by the operation of the law, except that implied warranties of merchantability or fitness for a particular purpose are limited to the duration of the warranty period.

Port-A-Cool, LLC shall not be liable for any incidental or consequential damage which may have resulted from any alleged breach or warranty. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions stated above may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

Since Port-A-Cool, LLC, follows a policy of continuous product improvement; it reserves the right to change design and specification without prior notice or liability.

HOW TO CONTACT TECHNICAL SUPPORT

Technical support and service is available directly from your distributor or call Port-A-Cool® Technical Support Hotline at 888-266-5243 (888-COOL-AID) for the distributor nearest you. You may also contact the Support Hot Line for consultation on parts replacement.

Please have serial number and model number of unit available.

REPLACEMENT PARTS

A. Returned Merchandise Authorization (RMA) Procedures

All Port-A-Cool® units, parts, or materials being returned to Port-A-Cool, LLC, for warranty replacement or repair require an RMA (Return Merchandise Authorization) number.

There are two methods for replacing warranty parts:
1.The distributor can purchase the part with an RMA number and will only be charged for the cost of the part, not for the shipping. When the defective part is returned freight paid, the distributor's account will be credited for the cost of the part.
2.The customer / distributor can call Tech Support to get an RMA number to send the defective part back to Port-A-Cool, LLC. Once the part is received by Port-A-Cool, LLC, a replacement part will be sent at no charge.

Information needed to get an RMA number:
1. The UNIT serial number.
2. The UNIT model number (ex. PAC2KCYC01)
3. The part number or description of the part to be replaced.

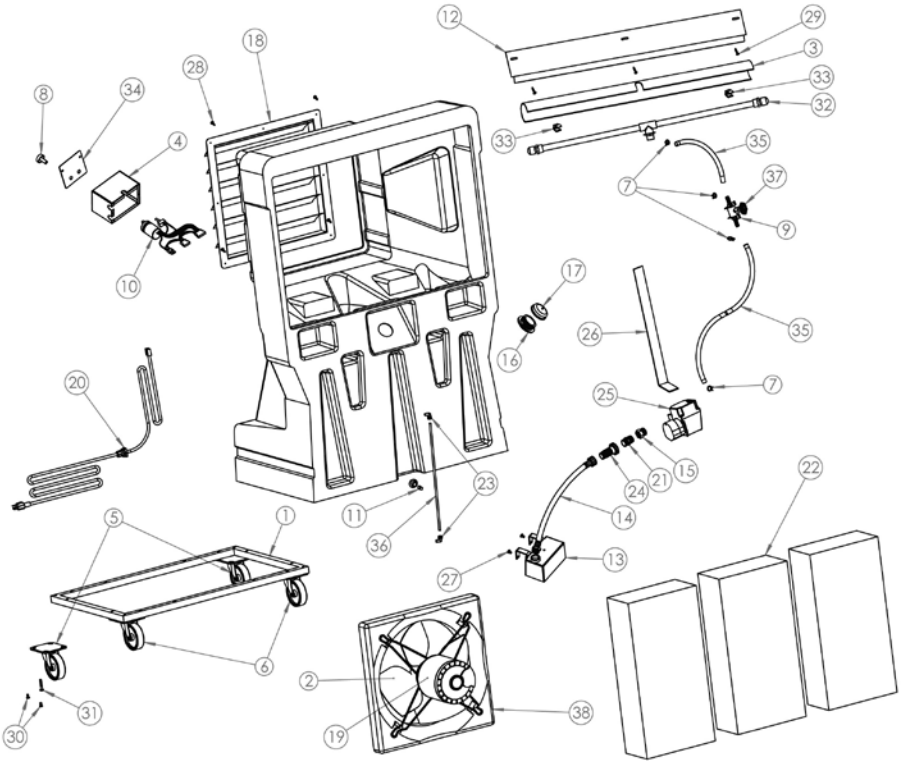
Only major component parts need an RMA number, i.e. fans, motors, pumps, and some plumbing parts. For replacement of small parts, the serial and model numbers are still required, but the parts do not need to be returned to Port-A-Cool, LLC.

For warranty replacement parts call Port-A-Cool® Technical Support at 1-888-266-5243. FAX: 936-598-1431.

Shipping Address
Port-A-Cool, LLC
721 FM 2468 at Henrietta Road
Center, Texas 75935

Mailing Address:
Port-A-Cool, LLC
P.O. Box 2167
Center, Texas 75935

PACJS1600 ORG. SN# &SUBSEQUENT NEW 03/02/2009



ITEM#	PART #	DESCRIPTION	ITEM#	PART #	DESCRIPTION
1	BASE-JS/VT	CASTER BASE ASSEMBLY FOR JS/VT	20	POWERCORD-02	10FT POWER CORD W/DOME STRAIN RELIEF
2	BLADE-ASSM-08	JS/VT 16" BLADE	21	PAC-PLB-01	INLET HOSE ADAPTER
3	BONNET-03	SPRAY BAR BONNET FOR 16" PAC	22	PAD6024/G	16" PAC REPLACEMENT PAD
4	BOX-UL-03	VAR SPD ELECTRICAL BOX	23	POLY-FTG-06	90DEG FITTING FOR SIGHT TUBE
5	CASTERS-JS-4	4" JS/VT NON-LOCKING CASTER	24	PRES-REG-01	INLET WATER REGULATOR
6	CASTERS-JS-4L	4" JS/VT LOCKING CASTER	25	PUMP-0140-1	PUMP ASSEMBLY FOR 16" UNIT
7	CLAMP-01	1/2" WIRE SPRING CLAMP	26	PUMP-ACC-17	JS/VS PUMP BRACKET
8	CTRL-KNOB-02	KNOB 24"VAR SPD CONTROL	27	S-004	FLOAT BOLT
9	CTRL-VLV-BRKT-1	CONTROL VALVE MOUNTING BRACKET	28	S-006	12-14 BLACK TEC SCREW
10	CTRL-VS-02	VAR SPD SWITCH HARNESS	29	S-009	10-24 X 3/4" TRUSS HEAD SCREW
11	DRAIN-PLUG-01	1/4" NPT PLUG #P-28 FOR 16"UNIT	30	S-014	5/16 X 1" TRUSS HEAD SCREW
12	FLAP-16-01	FRONT FLAP FOR 16" JETSTREAM	31	S-017	5/16 - 18 X 1.5" TRUSS HEAD SCREW
13	FLOAT-02	FLOAT VALVE	32	SPRAY-07	SPRAY BAR FOR 16" PAC
14	HOSE-FM18	18"FLOAT HOSE	33	SPRAY-ACC-04	CLAMP FASTENER FOR SPRAY BAR
15	HOSE-FTG-05	SWIVEL HOSE FITTING	34	SWITCHPL-VARSPD	SWITCH COVER PLATE
16	JS-ACC-01	2" THREADED FILLER CAP RING	35	TUBE-01	SOFT PLASTIC TUBE
17	JS-ACC-02	2" THREADED FILLER CAP	36	TUBE-03	SIGHT TUBE
18	LOUVERS-JS	FRONT LOUVER FOR JS/VT UNITS	37	VALVE-01	PUMP TO SPRAYBAR CONTROL VALVE
19	MOTOR-013-04	1/6HP VOSTERMAN MOTOR	38	VENT16-INJ-01	VENTURI FOR 16" FAN

Port-A-Cool® Products and Accessories
and
Küül® Pads Cooling Media
are manufactured by

Port-A-Cool, LLC
P.O. Box 2167 • 709 Southview Circle • Center, TX 75935
Phone 936-598-5651 • 800-695-2942
www.port-a-cool.com

Part Number OM-JS-01